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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)


Sheet 1 of 2

Complete if Known

Application Number	
Filing Date	2003 Nov 15
First Named Inventor	John A Babcock
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
MM	A	US- 4,694,907	9-22-1987	Stahl	
	B	US- 4,007,786	2-15-1977	Schlenger	
	C	US- 5,503,226	4-2-1996	Wadleigh	
	D	US- 6,357,526	3-19-2002	Abdel-Halim	
	E	US- 6,257,334	7-10-2001	Cyr	
	F	US- 5,626,193	5-6-1997	Nzekwu	
	G	US- 6,230,814	5-15-2001	Nasr	
	H	US- 6,536,523	3-25-2003	Kresnyak	
	I	US- 5,826,655	10-27-1998	Snow	
	J	US- 6,240,718	6-5-2001	Fetescu	
MM	K	US- 4,344,485	8-17-1982	Butler	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner Signature		Date Considered	4/27/05
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Sheet 2 of 2	Applicant Number	
	Filing Date	2003 Nov 15
	First Named Inventor	John A Babcock
	Art Unit	
	Examiner Name	
Attorney Docket Number		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	L	ROGER BUTLER, Petroleum Society Monograph Number 2, 1994, page 180 Fig. 11-16, Petroleum Society of the Canadian Institute of Mining, Metallurgy and Petroleum, Calgary Canada	
	M	HOWARD BRADLEY, Petroleum Engineers Handbook, 1987, page 22-15 Fig. 22-14, Society of Petroleum Engineers, Richardson, Texas, U.S.A.	
	N	HOWARD BRADLEY, Petroleum Engineers Handbook, 1987, page 26-11 Fig. 26-17, Society of Petroleum Engineers, Richardson, Texas, U.S.A.	

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